

JAN 15 1982

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>3M COMPANY</b>		EMERGENCY TELEPHONE NO. <b>(612) 733-2328</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>3M CENTER, ST. PAUL, MINNESOTA 55101</b>		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS <b>SCOTCH-CLAD Brand Fuel</b>	
CHEMICAL FAMILY	FORMULA <b>Resistant Coating 776</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Methyl isobutyl ketone				67	100ppm
Ethyl alcohol				approx. 6	1000ppm

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	MIBK	244	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.88
	Ethyl alcohol	173		
VAPOR PRESSURE (mm Hg.)			PERCENT, VOLATILE BY <del>XXXXXX</del> (%) weight	73
	MIBK	3.5		
VAPOR DENSITY (AIR=1)	Ethyl alcohol	1.6	EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER				
MIBK & phenolic Resin appr. 88%				
APPEARANCE AND ODOR	Transparent amber liquid - ketone odor			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	60°F (OC)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	CO <sub>2</sub> , foam, dry chemicals			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	See Section II.
EFFECTS OF OVEREXPOSURE May be irritating to skin, eyes and upper respiratory system.	
EMERGENCY AND FIRST AID PROCEDURES Eye contact - flush eyes with plenty of water. Seek medical attention. Skin contact - wash with soap and water. Inhalation - provide fresh air.	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Extinguish ignition sources. Collect spilled material. Wipe up area.	
WASTE DISPOSAL METHOD Incinerate properly. Do not landfill.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type)		
VENTILATION	LOCAL EXHAUST <div style="text-align: right; padding-right: 10px;">X</div>	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES <div style="text-align: right; padding-right: 10px;">X</div>	EYE PROTECTION <div style="text-align: right; padding-right: 10px;">X</div>	
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Flammable, keep away from sources of ignition. Use only in areas adequately ventilated to keep vapor levels below threshold limit of	
OTHER PRECAUTIONS solvents. Avoid eye contact. Avoid prolonged breathing of vapors and prolonged or repeated contact with skin.	